

From: [Valerie Oster](#)
To: [Gene Revelas](#); [Eric Blischke/R10/USEPA/US@EPA](#); [Carrie Smith](#)
Subject: RE: Fate and Transport Modeling Check - In
Date: 04/20/2007 12:02 PM

Non- is available on 4/23 at 3pm.
Passcode Non-

Valerie Thompson Oster
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-----Original Message-----

From: Gene Revelas [<mailto:grevelas@integral-corp.com>]
Sent: Friday, April 20, 2007 11:56 AM
To: Blischke.Eric@epamail.epa.gov; Carrie Smith
Cc: Valerie Oster
Subject: RE: Fate and Transport Modeling Check - In

Yes. I will forward to the LWG F&T group once Valerie confirms the line. If I cc. you and Carrie and you forward to the govt. team? Also, I assume this is a phone call only?

Re: other items - I will get an update from WEST in the TSS issues and the John H. and Earl progress.

Valerie - is the EPA line available at 3 pm Monday? (assume 3-5 but probably only an hour).

Gene

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov
[<mailto:Blischke.Eric@epamail.epa.gov>]
Sent: Friday, April 20, 2007 11:32 AM
To: Carrie Smith
Cc: Gene Revelas
Subject: Re: Fate and Transport Modeling Check - In

Carrie, I think we are still on for the check-in (3:00 pm Monday). Here are the next steps that I had from the last meeting that I think we need to check in on.

- 1) Example F&T output file to John and Nancy
- 2) Get SWAC surface sediment concentrations to F&T people.
- 3) Water data proposal from Laura Jones.

Also, we can confirm (if we need to) the approach on flows from EFDC.

I am not sure where we are on TSS conservation of mass. This is something else we should check in on.

Gene, can you set up the meeting and call-in number? Is there anything else you have that we need to discuss.

Thanks, Eric

"Carrie Smith"
<csmith@parametrix.com>

04/20/2007 09:49 AM

To
Eric Blischke/R10/USEPA/US@EPA
cc
Subject
Re: Fate and Transport Modeling
Check - In

Thanks Eric -

We've been steadily plugging away at resolving the issues we discussed on Monday. I did a 20 year test run and provided the output to the FWM group on Wednesday. We learned some things in doing so, and are continuing to work out the kinks in the process. We're now working on the memo/report and cleaning up the STELLA file so that I can send it to Ben Cope (per his request).

With respect to the question on EFDC output issues related the the FT model input needs, I don't think there was really anything on the table to be resolved other than the TSS conservation of mass - about which I haven't heard anything. This is likely something they're still working on and will be resolved either in this next round of output data (next 2 weeks) or the following (2.5 months).

Are we still on for a conf. call on Monday afternoon at 3pm? Per Nancy Judd, one additional thing to add to the agenda is a discussion of "how to handle "site wide" modeling. Since the the areas of the segments are all different- I don't think we can just average them (for sed or for water). This may be entirely a FWM issue- though if you or Carl have ideas I'd welcome them"

Let me know if you have any additional questions.

Carrie

>>> <Blischke.Eric@epamail.epa.gov> 4/17/2007 11:03:10 AM >>>
I think the main issue relevant to the fate and transport component is the treatment of the overbank conditions. We agreed that we would build artificial walls to prevent the over bank condition during the 95% flow event. I think we are still on track to get the flow data in the next two weeks. There was also a statement made that all the EFDC output issues relative to the fate and transport input needs have been worked out. Can you confirm this?

Regarding the longer term resolution of the EFDC component, we are looking at a minimum of 2.5 months for the next iteration.

Eric

"Carrie Smith"
<csmith@parametr
ix.com>

04/16/2007 04:06
PM

To
Eric Blischke/R10/USEPA/US@EPA
cc
Subject
Re: Fate and Transport Modeling
Check - In

Sorry I never made it back to the Hydrodynamic/Sedimentation Model portion of today's meeting. The urgent care trip took MUCH longer than expected. Can you give me the general highlights when you get a chance?

Thanks,
Carrie

>>> <Blischke.Eric@epamail.epa.gov> 4/13/2007 8:20 AM >>>
Still struggling to find a time that works for everyone. I would like to move the first part of the meeting to 11:00 - 1:00. Let me know if this is problem.

Thanks, Eric

Eric
Blischke/R10/USE
PA/US

04/12/2007 03:19
PM

To
Gene Revelas, Carl Stivers
<cstivers@anchorenv.com>, John
Toll, Ray Walton, Nancy Judd,
Carrie Smith, Burt
Shephard/R10/USEPA/US, Joe
Goulet/R10/USEPA/US, Chip
Humphrey/R10/USEPA/US, Kristine
Koch/R10/USEPA/US, Laura Jones
<ljones@integral-corp.com>, Chris
Thompson, Jennifer Arthur, Rene
Fuentes/R10/USEPA/US, Ben

Cope/R10/USEPA/US, Jim Anderson,
MCCLINCY Matt
<MCCLINCY.Matt@deq.state.or.us>,
POULSEN Mike
<POULSEN.Mike@deq.state.or.us>,
Dana Davoli/R10/USEPA/US, Earl
Hayter/ATH/USEPA/US

cc

Subject
Fate and Transport Modeling Check
- In

During our April 2, 2007 meeting, we agreed to reconvene on Monday, April 16, 2007. Because of scheduling conflicts, we will be holding two meetings. Both meetings will be at the EPA regional office in Seattle - Columbia Room, 12th Floor.

The first meeting will begin at 10:00 am and continue until 12:00. We will cover the food web model, abiotic fate and transport model and hybrid model components. The second meeting will begin at 2:00 pm and continue until 4:00. This meeting will cover the hydrodynamic sedimentation modeling component. A call-in number is available [REDACTED] Non- [REDACTED] n-

As people are aware, a number of discussions have taken place since our last meeting. The goal of this two part meeting is to confirm any agreements reached and determine next steps for the initial run of the hybrid model. A draft agenda for both meetings is presented below:

First Meeting (10:00 - 12:00):

Update on Food Web Model (Burt Shephard, John Toll and Nancy Judd)
Outcome of April 5, 2007 meeting
Consistency between abiotic fate and transport model and food web model
Other modeling issues

Update on Abiotic Fate and Transport Model (Carrie Smith)
Conservation of TSS Mass
External Loads
Subsurface sediment
Time step and use of Stella
Other modeling issues

Water Data (Laura Jones)
Average water concentration approach
Refined spatial scale approach
DOC, TOC and POC
Initial Conditions

Next Steps:

Full Run of Hybrid Model
Refinement of model components (e.g., Hydrodynamic Sedimentation or Food Web Models)
Identification of Data Gaps

Second Meeting (2:00 - 4:00):

Update on Hydrodynamic Sedimentation Model (Earl Hayter and John Hamrick)

Development of initial sediment bed conditions that account for spatially varying grain size distribution, bulk densities and critical shear stress for resuspension using Sedflume and STA data sets
Flood Simulations
Conservation of TSS Mass
Other modeling issues
Time frame for refining hydrodynamic sedimentation model
Incorporation of hydrodynamic sedimentation model into hybrid model.

Please let me know if you will be attending the meeting in person or by phone (and which one). Also, please forward this email to people I have missed.

Thanks, Eric